



CEDARS-SINAI MEDICAL CENTER®

Maxine Dunitz Neurosurgical Institute

Moise Danielpour, MD

Director of Pediatric Neurosurgery, Maxine Dunitz Neurosurgical Institute
Director of Neurological Surgery Residency Training Program

Cedars-Sinai Medical Center
Maxine Dunitz Neurosurgical Institute
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Education:

University of California, Los Angeles, California
Biological Science 1988

Albert Einstein College of Medicine, New York, New York
Medical Degree 1992

Post-Graduate Training:

Albert Einstein College of Medicine, New York, New York
American Heart Association Medical Student Research Fellow 1992-1993

Northwestern Memorial Medical Center, Chicago, Illinois,
Resident, Neurological Surgery 1993-1999

University of California, San Francisco and Stanford University
San Francisco, California, Fellow, Pediatric Neurosurgery 1999-2000

Academic Appointments:

Chief Resident and Instructor
Department of Neurosurgery
Northwestern University Medical Center
Chicago, Illinois 1998-1999

Clinical Instructor
Department of Pediatric Neurosurgery
Stanford-UCSF Medical Center
San Francisco, California 1999-2000

Director, Neurological Surgery Residency Training Program
Department of Neurosurgery
Cedars-Sinai Medical Center
Los Angeles, California 2005-present

Administrative Appointments:

Director, Division of Pediatric Neurosurgery
Maxine Dunitz Neurosurgical Institute
Department of Surgery
Cedars-Sinai Medical Center
Los Angeles, California 2000 -Present

Team Leader and directed internal review
ACGME approved anesthesia residency program 2007 -Present

Honors and Awards:

Golden Key National Honors Society 1998

Professional Societies and Memberships:

American Association of Neurosurgeons
Congress of Neurological Surgeons
Western Neurosurgical Society

Certificates and Licensure:

California State Medical License Present
Diplomat, American Board of Neurological Surgery 2004

University and Hospital Committees:

Chair, First Annual Conference on Pediatric Neurological Disorders,
Cedars-Sinai Medical Center 2000
Member and Co-Author, "Guidelines for CT Scans in the Pediatric Population",
Cedars-Sinai Medical Center 2001
Chair, Strategic Planning Myelomeningocele Center,
Cedars-Sinai Medical Center
Surgical Step-Down Unit,
Cedars-Sinai Medical Center 2001
Senate Committee,
Cedars-Sinai Medical Center 2001
Pediatric Planning Committee,
Cedars-Sinai Medical Center 2001
Chair, "Healing the Children" Humanitarian Efforts in Guatemala,
Cedars-Sinai Medical Center 2000-2002
Search Committee: Pediatric Epileptologist Director,
Cedars-Sinai Medical Center 2001
Co-Chair, Fetal Surgery Center with OBGYN Department,
Cedars-Sinai Medical Center 2001
Committee Working with Non-Invasive Intracranial Pressure Monitoring,
Cedars-Sinai Medical Center 2001-Present
Installation of Intra-operative MRI Committee 2002-Present
SCAN/Child Abuse Committee 2002-Present
Committee for Pediatric Surgical Services,
Cedars-Sinai Medical Center 2002-Present
Pediatric Advisor, Outside Scan Review Program,
Cedars-Sinai Medical Center Present
Department of Imaging,

Cedars-Sinai Medical Center Installation of Intraoperative MRI, Cedars-Sinai Medical Center SCAN/Child Abuse Committee,	2002-Present
Cedars-Sinai Medical Center Committee for Pediatric Surgical Services,	2002-Present
Cedars-Sinai Medical Center Pediatric Planning Committee, Cedars-Sinai Medical Center	2002-Present Present

Other Services:

Pediatric Advisor for Children with Brain Tumors, the H.E.L.P Support Group
Faculty Mentor to students in the CSMC Ahmanson Department of Pediatrics
Faculty Mentor to participants of CSMC Project Medical Education Workshop

Educational Media:

ABC News: Pediatric Brain Tumor Segment with Dr. Black & the Iacono Family	2002
World New Tonight, with Peter Jennings: Craniopagus Twins Segment	2003

Research Experience:

Department of Biology, UCLA: Antiidiotypic Activity of Antisera to Be Used in the Manipulation of Idiotypic Networks.	1986
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Molecular Biology Institute, UCLA: The Role of Protein Kinase C in Cytotoxic Activity by Cytotoxic T Lymphocytes.	1987
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Department of Cellular Biology, Albert Einstein College of Medicine: Using Antiidiotypic Antibodies to Study the Evolution of Immune Response and its Relationship to Biological Mimicry and Autoimmune Disease.	1989
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Cedars-Sinai Medical Center
Clinical Trial: Immunotherapy for Pediatric Brain Tumors – Co-Investigator

Grant Support Awarded:

Fellow, American Heart Association Summer Fellowship, UCLA: The Effects of Toxic Oxygen Species Scavengers on Neonate and Adult Lung Defenses in a Rabbit Model.	1985
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Fellow, American Heart Association Fellowship, Albert Einstein College of Medicine: The Role of P53, RB, and P189 Antioncogenes in the Growth and Differentiation of Neuronal Cell Lines.	1992
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Co-Investigator, National Institute of Mental Health: Repair of Human Fetal Myelomeningocele.	1999
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Publications in Scientific Journals:

1. Sherman MP, **Danielpour M**, Roberts RL, Stiehm ER: Oxygen scavengers depress phagocytic defenses of neonatal lung. Pediatric Research 20:440A, 1986.
2. Yeung BKF, **Danielpour M**, Matsumura JS, Ailawadi G, Batjer HH, Yao JS: Incidental asymptomatic cerebral aneurysms in patients with extracranial cerebrovascular disease: Is this a case against carotid endarterectomy without arteriography? Cardiovascular Surgery 2000 8(7):513-518,
3. **Danielpour M**, Peacock WJ, Epilepsy surgery in children. Clin Neurosurg. 2000;47:400-21.
4. **Danielpour M**, A case report: Isolated langerhans cell histiocytosis of the pituitary stalk. NET Magazine, Summer 2001.
5. **Danielpour M**, Von Koch C, Peacock WJ: Disconnective hemispherectomy: A novel approach. Pediatric Neurosurgery 2001 Oct;35(4):169-172.
6. Zandian M, Matundan H, **Danielpour M**, Kreuger RC, Jr.: Accumulation of transforming growth factor-beta2 and nitrated chondroitin sulfate proteoglycans in cerebrospinal fluid correlates with poor neurologic outcome in preterm hydrocephalus. Biol Neonate. 2005;88(1):1-11. Epub 2005 Feb 10.
7. Farmer DL, Von Koch C, Peacock W, **Danielpour M**, Gupta N, Lee Hammin L, Harrison M: In utero repair myelomeningocele: Experimental pathophysiology, initial clinical experience and outcomes. Arch Surg. 2003 Aug;138(8):872-8.
8. Chow LC, Soliman A, Zandian M, **Danielpour M**, Krueger RC, Jr.: Accumulation of transforming growth factor - β 2 and nitrated chondroitin sulfate proteoglycans in cerebrospinal fluid correlates with poor neurologic outcome in preterm hydrocephalus. Biol Neonate. 2005;88(1):1-11 Epub 2005 Feb 10.
9. Wang R, Visootsak J, **Danielpour M**, Graham JM, Jr.: Midline defects in FG syndrome: Does tethered spinal cord contribute to the phenotype? J Pediatr. 2005 April;146(4):537-41.
10. Das A, Simmons C, **Danielpour M**: A congenital brain tumor associated with assisted in vitro fertilization. J Neurosurg 2005 Nov;103 (5 Suppl):451-3
11. Krueger RC, Hwo W, Zandian M, **Danielpour M**, Kabos P, Yu JS, Sun Y: Neural progenitors populate the cerebrospinal fluid of preterm patients with hydrocephalus. J Pediatr. Vol. 148, 2006 March (3), 337-340
12. **Danielpour M**: Surgical management of cerebellar tonsillar herniation in three patients with Macrocephaly-Cutis Marmorata Telangiectatica Congenita – J Pediatr. 2007; Apr;106 (4 Suppl): 296-301
13. **Danielpour M**, Wilcox W, Pressman B, Rimoin D, Alanay Y: Dynamic Cervicoedullary Cord Compression and Alterations in Cerebrospinal Fluid Dynamics in Children with Achondroplasia. J Neurosurg (6 Suppl Pediatrics) 107:504–507, 2007
14. Conway R., Pressman B., Dobyns W., **Danielpour M.**, Lee J., Sanchez-Lara P., Butler M., Zackai E., Campbell L., Saitta S., Clericuzio C., Milunsky J., Hoyme E., Shieh J., Moeschler J., Crandall B., Lauzon L., Viskochil D., Harding B., Graham Jr. J.: Neuroimaging Findings in Macrocephaly-Capillary Malformation: A Longitudinal Study of 17 Patients. American Journal of Medical Genetics A. 2007 Dec 15;143(24):2981-3008

15. Mamelak A., **Danielpour M.**, Black, K., Masanobu H., Berci G.: A High Definition Exoscope System for Neurosurgery and Other Microsurgical Disciplines: Preliminary report. *Surg Innov.* 2008 Mar;15(1):38-46 Epub 2008 Apr 2 Review.
16. Moftakhar P, Fan X, Hurvitz CH, Black KI, **Danielpour M.** : Long-tern survival in a child with a central nervous system medulloepithelioma. *J Neurosurg Pediatr.* 2008 Nove;2(5):339-45. Review.

Abstracts and Posters at National Meetings

1. Graham JM Jr., Earl DL, **Danielpour M**, Jabs EW: A patient with Boston craniosynostosis. Proceedings of the Greenwood Genetics Center, 21:144, 2002. XXII David W. Smith Workshop on Malformations and Morphogenesis. Lake Arrowhead, CA, September 2001.
2. Graham JM Jr, Earl DL, **Danielpour M**, Jabs EW: A patient with Boston craniosynostosis. The Society for Craniofacial Genetics Meeting. San Diego, CA, October 2001.
3. Graham JM Jr., Earl, DL, **Danielpour M**: A patient with Boston craniosynotosis. Poster for AANS/CNS Pediatric Neurological Surgery Section Meeting. New York, NY, 2002.
4. **Danielpour M**, Wang R, Graham JM, Jr.: Dandy Walker malformation and tethered spinal cord: a new association? Poster for AANS/CNS Pediatric Neurological Surgery Section Meeting. New York, NY, 2002.
5. Soliman, A., Chow, L.C., Zandian, M., **Danielpour, M.** and Krueger, Jr., RC - Transforming growth factor - $\beta 2$ (TGF - $\beta 2$), chondroitin sulfate proteoglycans (CSPGs), and nitrated CSPGs (nt-CSPGs) in human cerebrospinal fluid correlate with periventricular leukomalacia (PVL) and neurological outcome. Pediatr Res. 53, 540A – Poster symposium at 2003 SPR – Seattle, Washington
6. Krueger, Jr. R.C., Kabos, P., Matundan, H., Zandian, M., A.R. Ferrell, A.P., **Danielpour, M.** and Yu, J.S.: Neural precursors populate the cerebrospinal fluid in human preterm hydrocephalus and synthesize chondroitin sulfate proteoglycans (CSPGs) during proliferation: role in CNS precursor biology. Peds. Res. 55, 2326A – Poster symposium presentation at 2004 SPR San Francisco, CA
7. Gate D, **Danielpour M**, Town T: Medulloblastoma and Ciliopathy, Electronic Poster, AANS Annual Meeting SanDiego, CA 2009

Scientific Presentations at National Meetings:

1. **Danielpour M**: Effects of toxic oxygen species scavengers on adult and neonatal lung defenses in the rabbit model. American Heart Association Round Table Discussion, April 1985.
2. Wang R, **Danielpour M**, Gruskin D, Graham JM, Jr.: Dandy Walker malformation and tethered spinal cord: A new association? Proceedings of the Greenwood Genetics Center, 21:82-83, 2002. XXII David W. Smith Workshop on Malformations and Morphogenesis. Lake Arrowhead, CA, September 2001.

3. Chow, L, **Danielpour M**, and Krueger RC, Jr.: Transforming growth factor $-\beta 2$ and Chondroitin Sulfate Proteoglycan in human CSF, but not transforming growth factor $-\beta 1$, correlate with hydrocephalus in infants. 30th Annual Meeting of the American Association of Neurological Surgeons and Congress of Neurological Surgeons Section on Pediatric Neurological Surgery, New York, NY, 2001.
4. Chow, L.C., Soliman, A., Zandian, M., **Danielpour, M.** and Krueger, Jr. R.C.: Transforming growth factor - $\beta 1$, - $\beta 2$ (TGF - $\beta 1$, TGF - $\beta 2$), chondroitin sulfate proteoglycans (CSPGs), and nitrated CSPGs (nt-CSPGs) in cerebrospinal fluid: prediction of ventriculoperitoneal shunt (VPS) after intraventricular hemorrhage in preterm infants. Pediatric Res. **53**, 351A (platform presentation at 2003 SPR – Seattle, Washington)
5. Krueger, Jr, R.C., Kabos, P., Mantundan, H., Zandian, M., A.R. Ferrell, A.P., **Danielpour, M.** and Yu, J.S: Neural precursors populate the cerebrospinal fluid in human preterm hydrocephalus and synthesize chondroitin sulfate proteoglycans: Role in CNS precursor biology. J. Invest. Med **52** S96 – Oral Presentation at 2004 WPSR Carmel, CA
6. Krueger, Jr, R.C., Kabos, P., Mantundan, H., Zandian, M., A.R. Ferrell, A.P., **Danielpour, M.** and Yu, J.S: Neural precursors populate the cerebrospinal fluid in human preterm hydrocephalus and synthesize chondroitin sulfate proteoglycans: Role in CNS precursor biology. J. Invest. Med **52** S96 – Oral Presentation at 2004 WPSR Carmel, CA
7. **Danielpour M**, Wilcox W, Rimoin DL: Dynamic Cervicomedullary Cord Compression and Alterations in Cerebrospinal Fluid Flow in Children with Achondroplasia , Annual Meeting of the American Association of Neurological Surgeons and Congress of Neurological Surgeons Section on Pediatric Neurological Surgery, Denver, Colorado, 2006
8. **Moise Danielpour, M.D.**; William R. Wilcox, M.D. PhD; Yasemin Alanay, M.D.; David L. Rimoin, M.D. PhD: Dynamic Cervicomedullary Cord Compression and Alterations in Cerebrospinal Fluid Dynamics in Children with Achondroplasia. International Skeletal Dysplasia Society Meeting July 2007 Albi, France presented by Dr. David Rimoin
8. **Moise Danielpour, M.D.**; William R. Wilcox, M.D. PhD; Yasemin Alanay, M.D.; David L. Rimoin, M.D. PhD: Dynamic Cervicomedullary Cord Compression and Alterations in Cerebrospinal Fluid Dynamics in Children with Achondroplasia. Western Neurosurgical Society September 2007, Hawaii, HI
9. Moftakhar P, **Danielpour M**, Wilcox W, Rimoin DL: Dynamic Cervicomedullary Cord Compression and Alterations in Cerebrospinal Fluid Flow in Children with Achondroplasia: long term followup and analysis of data, Annual Meeting of the American Association of Neurological Surgeons and Congress of Neurological Surgeons Section on Pediatric Neurological Surgery, Spokane, Washington, 2008

Grand Rounds and Invited Lectures:

1. **Danielpour M:** Controversies in the management of pineal region tumors. Department of Neurosurgery Grand Rounds, Northwestern University, July 1998.
2. **Danielpour M:** Myelomeningocele: Past, present and future. Department of Pediatrics Grand Rounds, Cedars-Sinai Medical Center, October 2000

3. **Danielpour M:** Occult spinal cord malformations: A guide for the busy clinician. Department of Pediatrics Neonatology Conference, Cedars-Sinai Medical Center, December 2000.
4. **Danielpour M:** Intrauterine repair of myelomeningocele. Department of Obstetrics and Gynecology Grand Rounds, Cedars-Sinai Medical Center, December 2000.
5. **Danielpour M:** Invited lecture: Surgery for childhood epilepsy. Los Angeles Epilepsy Foundation, November 2000.
6. **Danielpour M:** Occult spinal cord malformations: What are they and what to look for in the well baby nursery. Department of Pediatrics Grand Rounds, Cedars-Sinai Medical Center, January 2001.
7. **Danielpour M:** What to look for in the well baby nursery. In-Service Pediatric Nurses, Cedars-Sinai Medical Center, January 2001.
8. **Danielpour M:** Invited Lecture: Pediatric brain tumors. H.E.L.P. Support Group, January 2001.
9. **Danielpour M:** Myelomeningocele: Past, present & future. Department of Pediatrics Grand Rounds, St. Johns Medical Center, January 2001.
10. **Danielpour M:** Surgery for craniosynostosis. Division of Pediatrics Neonatology Rounds, Cedars-Sinai Medical Center, February 2001.
11. **Danielpour M:** Pediatric neurosurgery. Pediatric Case Managers Symposium, Beverly Hills Country Club. May 2001.
12. **Danielpour M:** Overview of clinical options for neurological disorders, 'track A' epilepsy. Surgery for epilepsy: Why--why not? MDNSI Pediatric Conference for Neurological Disorders, Cedars-Sinai Medical Center, May 2001.
13. **Danielpour M:** Hydrocephalous and shunt malfunction in children. Grand Rounds, Los Robles Regional Medical Center, June 2001.
14. **Danielpour M:** Pediatric brain tumors: The journey. Cedars-Sinai Healthcare College, April 2002.
15. **Danielpour M:** Hydrocephalus. St. Francis Medical Center, May 2002.
16. **Danielpour M:** Occult spinal dysraphism. St. Francis Medical Center, May 2002.
17. **Danielpour M:** Contrasts between surgical criterion in adult and pediatric epilepsy. St. Francis Medical Center, May 2002.
18. **Danielpour M:** Vaccine therapy for malignant brain tumors in children: A new approach. St. Francis Medical Center, May 2002.
19. **Danielpour M:** Neonatal hydrocephalus: A primer for diagnosis and treatment. Saint Francis Medical Center Invited Lectureship, Neonatology Conference, May 2002.
20. **Danielpour M:** New approaches for the treatment of pediatric brain tumors. Conference: Current Concepts in the Treatment of Brain Tumors, June 2002.

21. **Danielpour M:** Congenital brain tumors. Pediatric Case Conference, Cedars-Sinai Medical Center, December 2002.
22. **Danielpour M:** Chiari malformation and syringomyelia. Pediatric Spine Symposium, Cedars-Sinai Medical Center, January 2003.
23. **Danielpour M:** Congenital hydrocephalus. Pediatric Spine Symposium, Cedars-Sinai Medical Center, January 2003.
24. **Danielpour M:** The fetus as a patient. Congenital Hydrocephalus Symposium, Cedars-Sinai Medical Center, March 2003.
25. **Danielpour M:** Brain abscesses in children. Pediatric Grand Rounds, Cedars-Sinai Medical Center, May 2003.
26. **Danielpour M:** Closed head injury in the pediatric patient. Pediatric Case Conference, Cedars-Sinai Medical Center.
27. **Danielpour M:** Pediatric neurosurgery at Cedars-Sinai. Ben Kagan Lectureship, Cedars-Sinai Medical Center, June 2003.
28. **Danielpour M:** Pediatric Neurosurgery – Challenges and New Developments. Symposia on Advances in Pediatric Surgery Beijing Children’s Hospital, May 2005
29. **Danielpour M:** Updates in Pediatric Brain Tumors. Bakersfield Memorial Hospital, CHW September 16, 2006
30. **Danielpour M:** New perspectives on diagnosis and treatment of pediatric brain tumors. Santa Monica UCLA Hospital September 27, 2006
31. **Danielpour M:** Challenging Cases in the Management of Pituitary Disease. Pediatric Case Conference, Cedars-Sinai Medical Center January 30, 2007
32. **Danielpour M:** Developing new treatments for pediatric medulloblastoma; Visiting Professor Grand Rounds, Department of Pediatrics Grand Rounds, White Memorial Hospital, April 2009
33. **Danielpour M:** Invited Professor, Neurosurgery Grand Rounds : Neurosurgical Complications of Achondroplasia, Gillete Childrens Hospital, Minneapolis, MN , May 2009

Research Funding:

1. Al and Heddie Azus Pediatric Neurosurgery Endowed Research Fund: \$700,000 over a 5 year program towards endowed research fund for pediatric brain tumors. Initial donation 2006.
2. The Smidt Family Foundation unrestricted grant: \$100,000 research grant for one year towards pediatric brain tumor research. Received 2008.
3. The Smidt Family Foundation unrestricted grant: \$100,000 research grant for one year towards pediatric brain tumor research. Received 2009.
4. Private Donor: \$5000 to general pediatric neurosurgery fund.
5. Private Donor: \$10,000 to Pediatric brain tumor research fund.

